

BACKGROUND

- Strategy for Patient-Oriented Research (SPOR) Support for People and Patient-Oriented Research and Trials (SUPPORT) Units provide local expertise to foster evidence-based healthcare.
- As part of this mission, the *Knowledge translation* Component of the Quebec SPOR SUPPORT Unit aims to support the development of local capacity in knowledge synthesis (KS) and knowledge translation (KT).

OBJECTIVE

- We sought to identify the experts and educational products in KS and KT available in Quebec.

METHODS

We performed an environmental scan

	Experts in institutions	Researchers and professors	Courses and training activities
Selection criteria	Any person with expertise in KS and/or KT	Any person doing research in KS and/or KT	Any KS and/or KT university course or continuing education activity
Data sources	Phase 1 – Internet search (January 2016)		
	Healthcare and social service organizations, universities, government agencies, research groups, and professional associations websites Keywords: knowledge, review, translation, implementation (in French and English)		
	Phase 2 – Survey (September 2016)		
	We sent an email invitation to self-administer a short survey to the experts identified in phase 1, to confirm and complete the information collected previously.		
Data collection	Name, title, affiliations	Name, title, affiliations, expertise	Title, instructor, affiliations, brief description, characteristics
Analysis	Descriptive analysis of the data.		

RESULTS

1. Overview of the results

Final list:

- Experts in institutions N=74
- Researchers and professors N=110* (KS, N=19 ; KT, N=96)
- Courses and training activities N=32

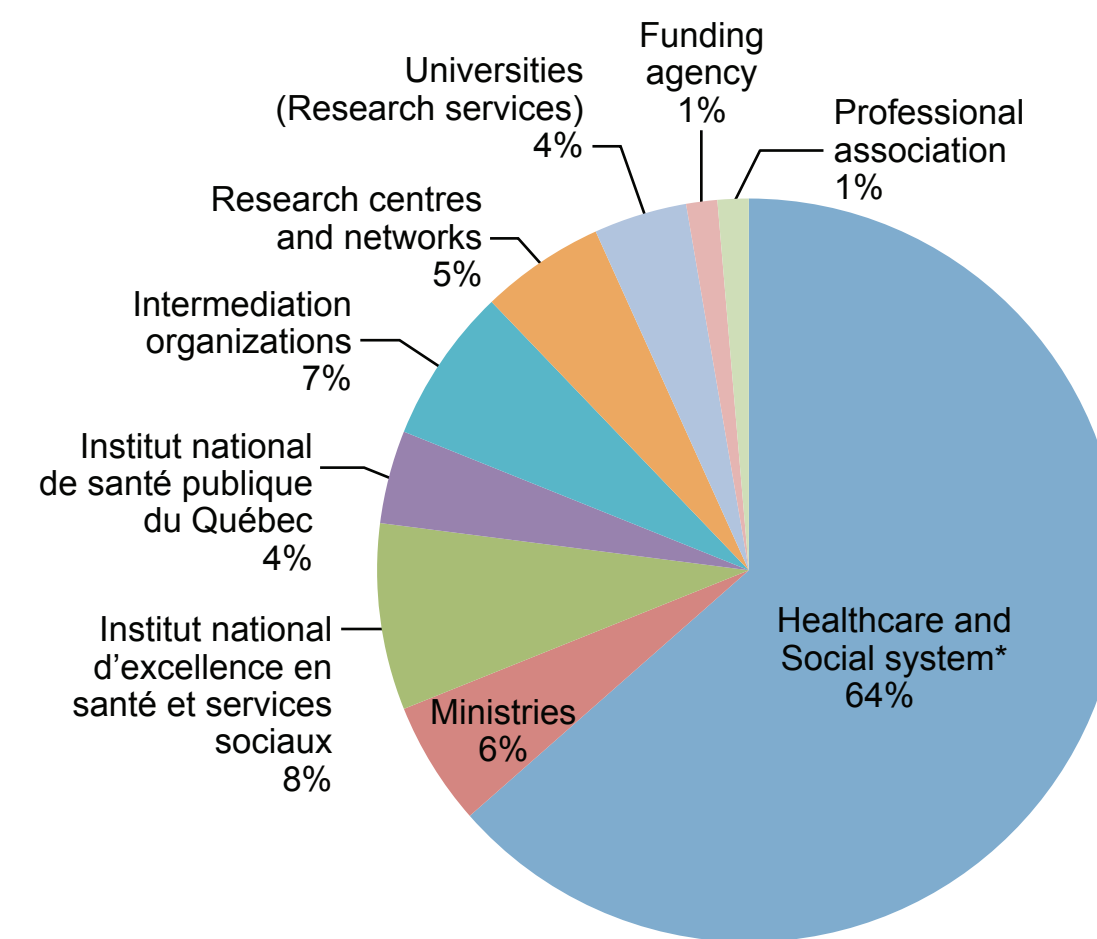
*Some professors and researchers have expertise in both topics and have been distributed into both categories for the analysis.

2. Experts in institutions (N=74)

Final list: 74 experts

- These experts are employed by a variety of organizations and institutions, the majority being part of the healthcare and social services system (figure 1).

FIGURE 1. Affiliations of the KS and KT experts in health-care and government institutions



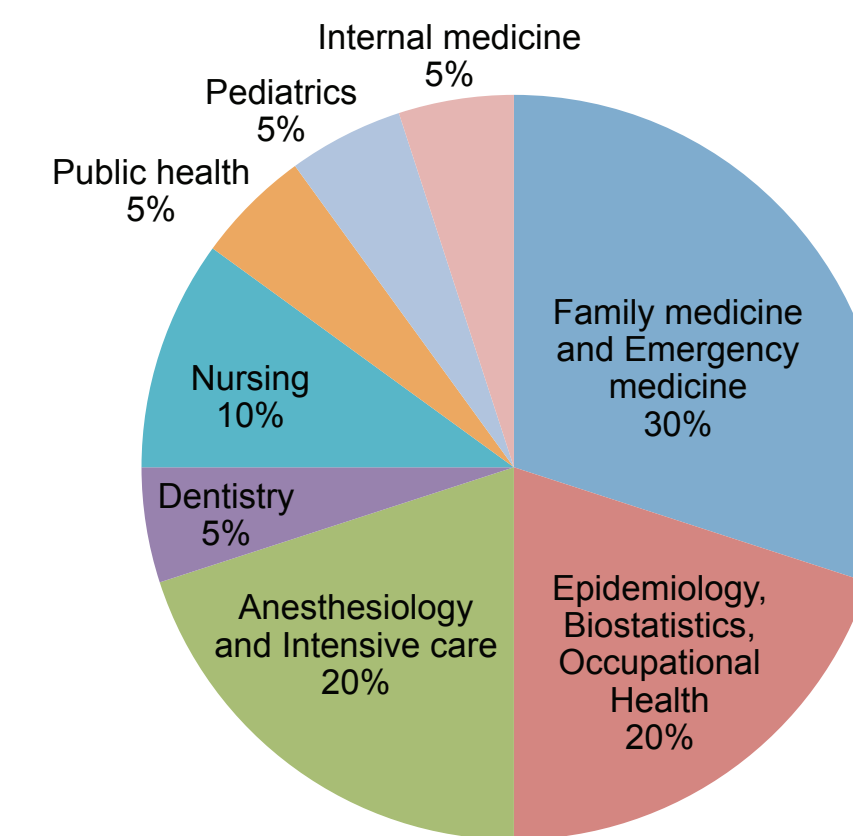
*Including University Institutes, University Health Centres, Integrated University Health and Social Services Centres and Integrated Health and Social Services Centres.

3. Researchers and professors in KS and KT (N=110)

Final list: 110 experts

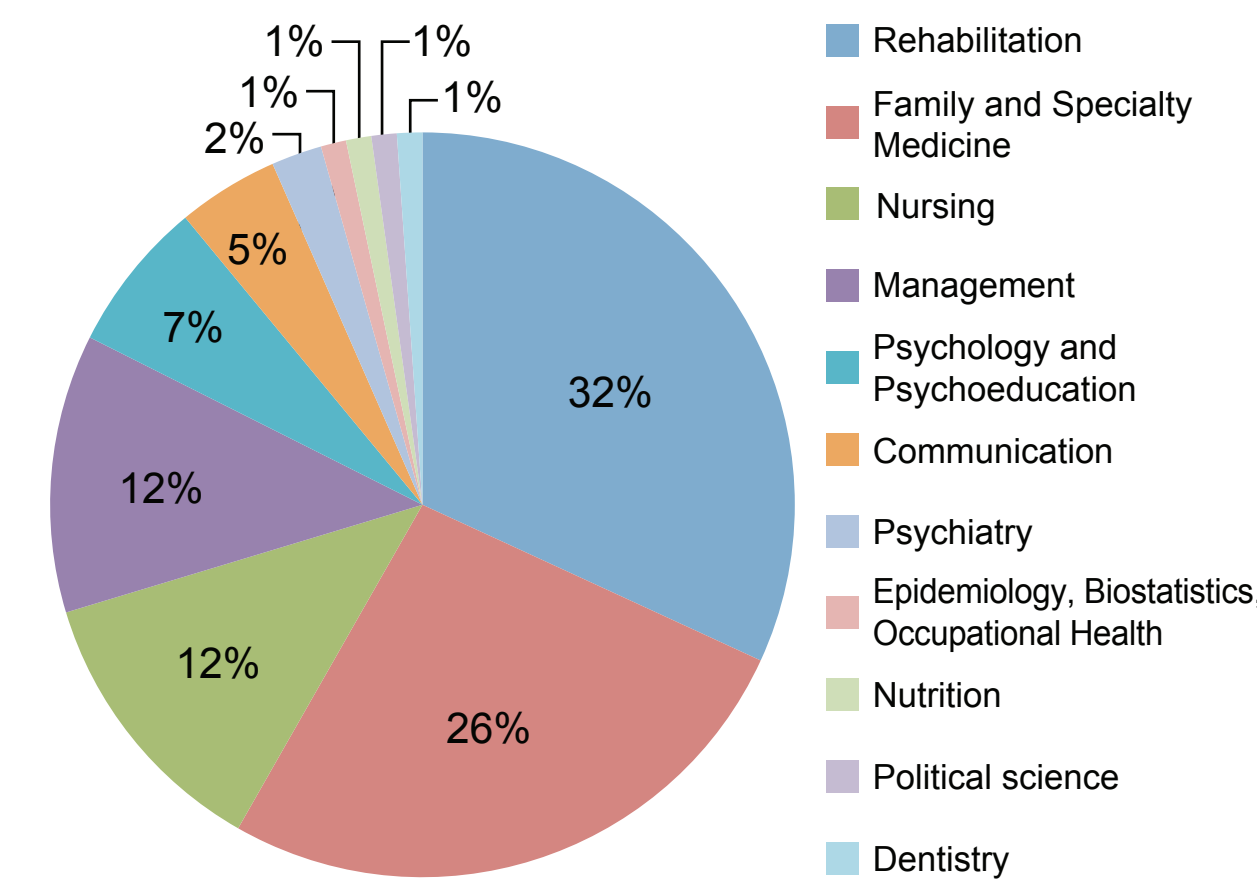
- The KS researchers and professors (N=19) we identified are in the field of medicine and the health sciences (figure 2).

FIGURE 2. KS professors and researchers by field (based on Faculty and Department affiliation)



- KT researchers and professors (N=96) are associated with a greater variety of fields (figure 3).

FIGURE 3. KT professors and researchers by field (based on Faculty and Department affiliation)



4. Courses and training activities (N=32)

We found various courses and training activities offered by 6 universities and 8 other organizations.

TABLE 1. Number of courses and training activities identified by Faculty and Organization

Faculties	Courses (N=40)		Institutions	Training activities (N=10)	
	KS (N=11)	KT (N=19)		KS (N=4)	KT (N=6)
Medicine	4	7	CHU de Québec-Université Laval	1	0
Nursing	3	3	Centre de collaboration nationale sur les politiques publiques et la santé	1	1
Public health	1	2	Centre de liaison sur l'intervention et la prévention psychosociale	0	1
Management	3	5	Institut national de santé publique du Québec	0	1
Education	0	1	Université de Montréal-Bureau (Recherche - Développement - Valorisation)	0	1
Nutrition science and Agriculture	0	1	Centre de transfert pour la réussite éducative du Québec	1	1
			CIUSSS de l'Estrie-CHUS	1	1

*Some courses and activities cover both topics and have been distributed into both categories for the analysis.

TABLE 2. Examples of KT and KS courses and training activities

	IUHN*	Title	Description
KS course	Montréal	"Revue narratives et systématiques"	This course is an introduction to the different type of knowledge syntheses and types of bias in the healthcare field. It covers selection criteria and study quality, meta-analyses, and an introduction to the Cochrane Library.
KT course	McGill	"Knowledge Translation In Rehabilitation"	This course focuses on the theory/application of knowledge translation (KT) in rehabilitation science with the goal of promoting evidence-based practice and research utilization in various clinical settings and with various client groups.
KS training activity	Laval	"Formation de base pour auteurs de revues systématiques Cochrane"	This workshop teaches participants how to conduct a systematic review. Topics include: research question formulation, literature search, study selection, risk of bias assessment, data analysis and results interpretation.
KT training activity	Sherbrooke	"Comment accompagner l'implantation des bonnes pratiques?"	This workshop teaches participants to facilitate a process for the implementation of good clinical and management practices, in five steps: explore the request, analyze needs and collect information, plan, realize and evaluate the process.

*Integrated University Healthcare Network.

CONCLUSION

- Our results provide a portrait of expertise, courses and training activities in KS and KT in Quebec.
- There were many experts in the field of interest but only a few provided courses or training activities.
- We will disseminate these findings and endeavour to keep them up to date.